Index of Claims

Application/Control No.

10/688,157

Examiner

Anthony S. Addy

Applicant(s)/Patent under Reexamination

MANGAL ET AL.

Art Unit

2617

| √ | Rejected |
|---|----------|
| = | Allowed  |

(Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Cla      | aim      | L        |  |              | D.           | ate      | <u> </u> |          |   |          | C        | aim      | L  | Date         |                 |          |          |          |             |                 |          | Cla       | im         | Date           |          |           |          |          |                 |          |          |          |
|----------|----------|----------|--|--------------|--------------|----------|----------|----------|---|----------|----------|----------|--|--------------|-----------------|----------|----------|----------|-------------|-----------------|----------|-----------|------------|----------------|----------|-----------|----------|----------|-----------------|----------|----------|----------|
| Final    | Original | 062606   |  |              |              |          |          |          |   |          | Final    | Original |  |              |                 |          |          |          |             |                 | Final    |           | Original   |                |          | •         |          |          |                 |          |          |          |
|          | 1        | 1        | <del></del>                                      | +            | +            | $\dashv$ | -        | $\dashv$ |   | Н        |          | 51       | ├─   | $\vdash$     | Н               | $\dashv$ |          | $\dashv$ | _           | $\dashv$        | -        | +         | 101        | $\vdash$       | $\dashv$ | $\dashv$  | 7        | -        | -               | 十        | $\dashv$ | $\dashv$ |
|          | 2        | V        | <del>    -</del>                                 | ╁            | 十            | $\dashv$ |          |          |   | Н        |          | 52       | ┢  |              |                 | $\dashv$ | $\dashv$ | 1        |             | +               | <u> </u> | ╅         | 102        | -              | +        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$        | 7        | $\dashv$ | 一        |
|          | 3        | 1        |  | Τ            | $\top$       | 7        |          |          |   |          |          | 53       |  |              | H               | 1        |          | $\neg$   | _           | $\dashv \dashv$ |          |           | 103        |                | 十        | ╅         | 寸        | $\dashv$ | 一               | ヿ        | 一        | $\dashv$ |
|          | 4        | 1        |  |              | 1            |          |          |          |   |          |          | 54       |  |              | П               |          | $\Box$   | ヿ        |             |                 |          | Т         | 104        |                |          |           |          | $\neg$   |                 | $\neg$   | $\neg$   | 乛        |
|          | 5        | 1        |  |              |              |          |          |          |   |          |          | 55       |  |              |                 |          |          |          |             |                 |          |           | 105        |                |          |           |          |          |                 |          |          |          |
|          | 6        | 1        |  |              |              |          |          |          |   |          |          | 56       |  |              |                 |          |          |          |             |                 |          |           | 106        |                |          | $\Box$    |          |          |                 |          |          |          |
|          | 7        | Ň        |  | ┸            | $\perp$      | 4        | _        |          |   | Ш        |          | 57       | ┖  |              |                 | _        | _        |          |             |                 |          |           | 107        |                |          | _         |          |          |                 |          |          |          |
| <u> </u> | 8        | 1        | <u> </u>   | ╀            | 4            | 4        |          |          |   | Ш        |          | 58       | <u> </u>   | _            |                 | _        | _        | _        | 4           | $\perp$         |          |           | 108        |                | 4        | 4         |          |          | _               | _        | 4        | ᆜ        |
|          | 9        | 1        |  | ╀            | 4            | 4        | -        |          |   | Н        |          | 59       | _  |              |                 |          |          | $\dashv$ | _           |                 | <u> </u> |           | 109        |                | 4        | 4         | $\dashv$ | _        | _               | _        | _        | 4        |
| <u> </u> | 10       | 1        | $\vdash$   | +            |              | +        | -        |          |   | Н        |          | 60       | ⊢  | -            |                 | {        | -        | $\dashv$ | -           | +               |          |           | 110        |                | -        | +         | $\dashv$ |          | $\dashv$        | $\dashv$ | $\dashv$ |          |
|          | 11       | 1        | $\vdash$   | +            | +            | -        | $\dashv$ |          |   | H        | -        | 61<br>62 | ╁  | $\vdash$     |                 | $\dashv$ |          | $\dashv$ | +           | +               | -        |           | 111<br>112 | $\dashv$       | +        | $\dashv$  | $\dashv$ |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
| -        | 13       | 1        | $\vdash$   | +            | +            | $\dashv$ | $\dashv$ |          |   | Н        | -        | 63       | $\vdash$   |              |                 | $\dashv$ | $\dashv$ | $\dashv$ | +           | +               | -        |           | 113        | -              | +        | +         | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | +        | $\dashv$ |
| -        | 14       | V        |  | +            | +            | $\dashv$ |          | $\dashv$ |   | $\vdash$ |          | 64       | <del> </del>                                     |              | $\vdash$        | ┥        | -        | +        | +           | +               | $\vdash$ | +         | 114        | +              | +        | $\dashv$  | $\dashv$ | -        | -               |          | $\dashv$ | $\dashv$ |
|          | 15       | Ī        |  | $^{\dagger}$ | +            | +        | $\dashv$ | $\neg$   |   | Н        |          | 65       | $\vdash$   | $\vdash$     |                 | ┪        | _        | -        | $\dashv$    | +               | -        |           | 115        | +              | _        | +         | -        |          | -               | $\dashv$ | $\dashv$ | ᅥ        |
|          | 16       | 1        |  | $^{\dagger}$ | $\top$       | $\dashv$ | _        | ヿ        |   |          |          | 66       | H  |              |                 | ┪        | 寸        | _        | $\top$      | $\top \top$     |          |           | 116        | $\neg \dagger$ | 十        | 十         | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | 十        | ヿ゙       |
|          | 17       | 1        |  | 1            | 7            | T        |          |          |   | П        |          | 67       | T  |              |                 | 一        | ヿ        | $\neg$   |             | $\top$          |          |           | 117        |                | T        | T         |          | T        |                 | 7        | 十        | ᅱ        |
|          | 18       | 1        |  | Τ            | 丁            | T        |          |          |   |          |          | 68       |  |              |                 |          | $\dashv$ | $\neg$   |             |                 |          |           | 118        |                | $\top$   | 寸         | 寸        | コ        | 7               | 寸        | $\neg$   | $\neg$   |
|          | 19       | V        |  | Ι            | T            |          |          |          |   |          |          | 69       |  |              |                 |          |          |          |             |                 |          | T         | 119        |                | $\dashv$ | T         | 一        | 一        | $\neg$          |          | $\neg$   | $\neg$   |
|          | 20       | 1        |  | L            |              |          |          |          |   |          |          | 70       |  |              |                 |          |          |          |             |                 |          |           | 120        |                |          |           |          |          |                 |          | $\neg$   |          |
|          | 21       | 1        |  | ┸            | $\perp$      |          |          |          |   |          |          | 71       |  |              |                 |          |          |          |             |                 |          |           | 121        |                | $\Box$   |           |          |          |                 |          |          |          |
|          | 22       | 1        | <u> </u>   | $\perp$      | $\bot$       | _        | _        |          |   | Ш        |          | 72       |  |              |                 |          |          |          | _           |                 | _        |           | 122        |                | $\perp$  | $\perp$   |          |          |                 |          | $\Box$   |          |
|          | 23       | ٧        | <u> </u>   | 1            | 4            | 4        | _        | _        |   | Ш        |          | 73       | <u> </u>   |              |                 |          | _        | $\dashv$ |             | $\bot$          |          |           | 123        |                | 4        | 4         | _        | _        | $\dashv$        | _        | _        |          |
|          | 24       | 1        | -  | 4            | 1            | 4        |          |          |   | Ш        |          | 74       | L.   | Щ            | Ц               | _        | _        | 4        | _           | +               |          | 4         | 124        | _              | _        | $\dashv$  | 4        | _        | _               |          | _        |          |
|          | 25       | 1        | $\vdash$   | +            | 4            | 4        |          |          |   | Ш        |          | 75       | ļ  | ļ            |                 |          |          | $\dashv$ | _           | +               |          |           | 125        |                | 4        | $\dashv$  | _        | _        | $\dashv$        | $\dashv$ | $\dashv$ |          |
|          | 26<br>27 | ₩        |  | ╀            | +            | -        |          |          |   | Н        | -        | 76       | <u> </u>   | ļ            |                 |          | _        | $\dashv$ |             |                 | -        |           | 126        |                | -        | $\dashv$  | $\dashv$ | $\dashv$ | -               | $\dashv$ |          |          |
|          | 28       | ├        | $\vdash$   | ╀            | +            | $\dashv$ | $\dashv$ |          |   | $\vdash$ |          | 77<br>78 | -  | _            |                 | $\dashv$ |          |          | +           | +               |          |           | 127        |                | +        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$        | -        | $\dashv$ | _        |
|          | 29       |          |  | ╁            | ╬            | $\dashv$ | -+       |          |   | Н        | -        | 79       | ├  | <del> </del> |                 |          | $\dashv$ | $\dashv$ | +           | +               | $\vdash$ | +         | 128<br>129 |                |          | +         |          |          | -               |          | $\dashv$ | $\dashv$ |
|          | 30       |          |  | ╁            | ╁            | ┪        | $\dashv$ | $\dashv$ |   | Н        | $\vdash$ | 80       | ╁  | -            | -               |          | -        | $\dashv$ | +           | +               |          |           | 130        | $\dashv$       |          | +         | -+       |          |                 | -        | $\dashv$ | 一        |
|          | 31       | $\vdash$ |  | +            | +            | ┪        | $\dashv$ |          |   | H        | -        | 81       | ╁  |              | -               | 一        | -        | $\dashv$ | +           | +               | -        |           | 131        |                | ┰        | $\dashv$  | $\dashv$ | -        | $\dashv$        | -        | $\dashv$ | 一        |
|          | 32       |          | $\vdash$   | +            | +            | ┪        | $\neg$   |          | _ | Н        |          | 82       | <del>                                     </del> |              |                 | 寸        | _        | $\dashv$ | $\dashv$    | $\dashv$        |          | +         | 132        |                | _        | $\dashv$  | $\dashv$ | -1       | -+              | $\dashv$ | ┪        | ᅥ        |
|          | 33       |          |  | T            | $\top$       | T        |          |          |   | П        |          | 83       | T  |              |                 | 寸        | 寸        | ヿ        | _           | $\top$          |          |           | 133        | _              | _        | 7         | _        | 7        |                 | 寸        | _        | $\dashv$ |
|          | 34       |          |  | Ι            | 1            |          |          |          |   |          |          | 84       | П  |              |                 |          | $\neg$   | $\dashv$ |             | $\top$          |          | T         | 134        |                | $\top$   | 7         | $\dashv$ |          | $\neg$          |          | ヿ        | ᅥ        |
|          | 35       |          |  |              | I            | $\Box$   |          |          |   |          |          | 85       |  |              |                 |          |          |          | 1           |                 |          |           | 135        |                |          |           |          |          |                 |          |          |          |
|          | 36       | Ĺ        | $\Box$   | Ĺ            | $\perp$      | Ţ        |          |          |   | Ш        |          | 86       | 匚  |              |                 |          |          |          | $\Box \Box$ |                 |          |           | 136        | $\Box$         | $\Box$   | ┚         | $\Box$   |          |                 |          | $\Box$   |          |
| <u> </u> | 37       | ļ        | $\vdash \vdash$                                  | +            | 4            | _        | _        |          |   | Щ        |          | 87       | _  | _            | Ш               |          | _        | _        | _           | 44              | <u> </u> |           | 137        |                |          | 4         | _        |          |                 | [        |          | _        |
| <u> </u> | 38       | _        | -  | 4            | $\downarrow$ | 4        | _        | _        |   | Щ        |          | 88       | <del> </del>                                     | ļ            | Ш               | _        |          | _ļ       | $\perp$     | $\bot$          | ļ        | 4         | 138        |                | 4        | 4         | _        | _        |                 | _        | _        |          |
| <u> </u> | 39       | <u> </u> | <del>                                     </del> | +            | 4            | 4        | 4        | $\dashv$ |   | Щ        |          | 89       | <del> </del>                                     | -            | $\vdash \vdash$ | _        |          | _        | +           | +               | <u> </u> | +         | 139        | -              |          | 4         | _        | _        | _               | _        | 4        | 4        |
|          | 40       | -        | $\vdash\vdash$                                   | +            | +            | +        | -        | $\dashv$ |   | $\vdash$ |          | 90       | -  |              | $\vdash \vdash$ | -        |          | 4        | $\dashv$    | +               | -        | +         | 140        | $\dashv$       | +        | +         | 4        | _        | -1              | $\dashv$ | $\dashv$ | _        |
|          | 41       | ├-       | <del>                                     </del> | +            | +            | $\dashv$ |          | $\dashv$ | _ | $\vdash$ | _        | 91<br>92 | $\vdash$   | $\vdash$     | $\vdash \vdash$ | -        |          | -        | +           | +               | -        |           | 141<br>142 | $\dashv$       | +        | +         | $\dashv$ |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 43       | $\vdash$ | <del>                                     </del> | +            | +            | $\dashv$ |          |          |   | H        | -        | 92       | $\vdash$   | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -        | +           | +               | -        | +         | 143        | -+             | +        | +         | -        | -        | $\dashv$        |          | $\dashv$ | $\dashv$ |
| <b>—</b> | 44       | -        | <del>                                     </del> | +            | +            | $\dashv$ | $\dashv$ | ᅱ        | _ | $\dashv$ |          | 94       | +-   | -            |                 |          | $\dashv$ | $\dashv$ | +           | +               | -        | +         | 144        | $\dashv$       | +        | +         | -        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 45       | <u> </u> |  | T            | +            | +        | $\neg$   | $\dashv$ |   | $\dashv$ |          | 95       | $\vdash$   | $\vdash$     | H               | $\dashv$ | -        | ᅥ        | $\dashv$    | +               | $\vdash$ | $\dashv$  | 145        | -              | +        | $\forall$ | -        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 46       | _        |  | T            | +            | $\dashv$ |          |          | - | Н        |          | 96       | $\vdash$   | $\vdash$     | H               | $\dashv$ | 一        | ᅥ        | $\dashv$    | +               |          | $\forall$ | 146        | $\dashv$       | +        | $\dashv$  | $\dashv$ | -        |                 | $\dashv$ | $\dashv$ | ᅥ        |
|          | 47       | <u> </u> |  | T            | $\top$       | $\dashv$ |          | $\neg$   |   | П        |          | 97       | <u> </u>   |              |                 | $\neg$   | 寸        | 寸        | $\dashv$    | $\top$          |          |           | 147        | $\Box$         | _        | $\dashv$  |          | _        | $\neg \uparrow$ | $\dashv$ | $\dashv$ | ᅥ        |
|          | 48       |          |  | 1            | _            | ╛        |          |          |   |          |          | 98       |  |              |                 |          | ╗        |          |             |                 |          |           | 148        |                | $\neg$   | $\dashv$  |          |          | _†              | $\dashv$ | ヿ        | T        |
|          | 49       |          |  | Ι            | I            |          |          |          |   |          |          | 99       |  |              |                 |          |          | J        |             |                 |          |           | 149        |                |          | Ţ         |          |          |                 | _1       | ゴ        |          |
|          | 50       |          |  | I            | Ι            |          |          |          |   |          |          | 100      |  |              |                 |          |          | $\Box$   | floor       |                 |          |           | 150        |                | $\Box$   |           |          |          |                 |          | $\Box$   |          |
|          |          |          |  | _            | ш.           |          |          |          |   |          | _        |          |  |              |                 |          |          |          |             |                 | _        |           |            |                |          | —         |          |          | _               |          | _        | _        |